10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

GLG1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9839b

Specification

GLG1 Antibody (C-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q92896
Other Accession	Q62638, Q61543, Q9Z1E9, Q02391
Reactivity	**Human, Mouse**
Predicted	**Chicken, Hamster, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**1152-1179**

GLG1 Antibody (C-term) - Additional Information

Gene ID 2734

Other Names
Golgi apparatus protein 1, CFR-1, Cysteine-rich fibroblast growth factor receptor, E-selectin ligand 1, ESL-1, Golgi sialoglycoprotein MG-160, GLG1, CFR1, ESL1, MG160

Target/Specificity
This GLG1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1152-1179 amino acids from the C-terminal region of human GLG1.

Dilution
WB~~1:2000
IHC-P~~1:50~100

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
GLG1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GLG1 Antibody (C-term) - Protein Information

Name GLG1

Synonyms CFR1, ESL1, MG160

Function Binds fibroblast growth factor and E-selectin (cell-adhesion lectin on endothelial cells mediating the binding of neutrophils).

Cellular Location
Golgi apparatus membrane; Single-pass type I membrane protein. Golgi outpost {ECO:0000250|UniProtKB:Q62638}. Cytoplasm, cytoskeleton, microtubule organizing center {ECO:0000250|UniProtKB:Q62638}. Note=Golgi medial cisternae. Localizes to the postsynaptic Golgi apparatus region, also named Golgi outpost, which shapes dendrite morphology by functioning as sites of acentrosomal microtubule nucleation. {ECO:0000250|UniProtKB:Q62638}

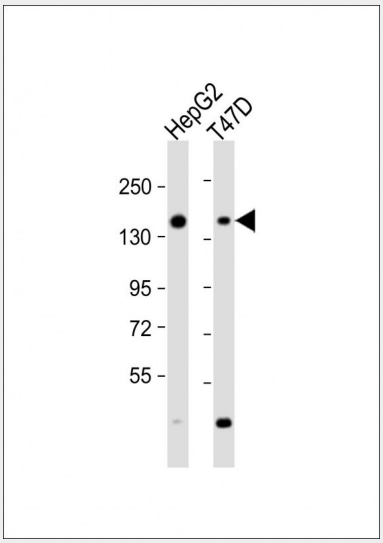
Tissue Location
Widely expressed. Highest levels in pancreas, skeletal muscle, placenta, heart, testis and ovary. Also found in the kidney, liver, lung and brain.

GLG1 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GLG1 Antibody (C-term) - Images



All lanes : Anti-GLG1 Antibody (C-term) at 1:2000 dilution Lane 1: HepG2 whole cell lysate Lane 2: T47D whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 136 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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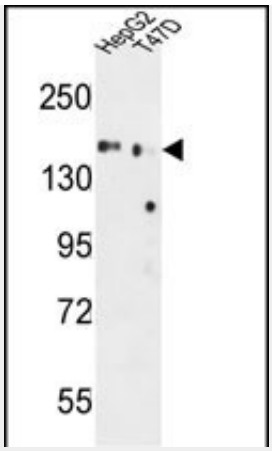
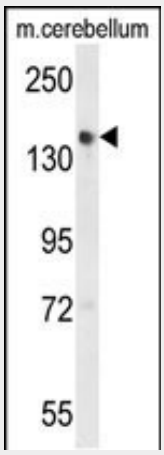
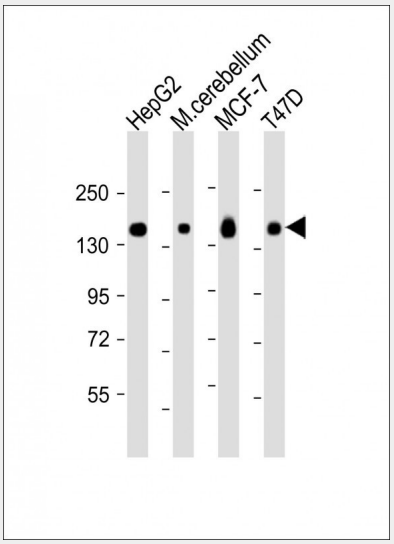


GLG1 Antibody (C-term) (Cat. #AP9839b) western blot analysis in HepG2,T47D cell line lysates (35ug/lane).This demonstrates the GLG1 antibody detected the GLG1 protein (arrow).



Western blot analysis of GLG1 Antibody (C-term) (Cat. #AP9839b) in mouse cerebellum tissue lysates (35ug/lane). GLG1 (arrow) was detected using the purified Pab.



All lanes : Anti-GLG1 Antibody (C-term) at 1:2000 dilution Lane 1: HepG2 whole cell lysate Lane 2: mouse cerebellum lysate Lane 3: MCF-7 whole cell lysate Lane 4: T47D whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 136 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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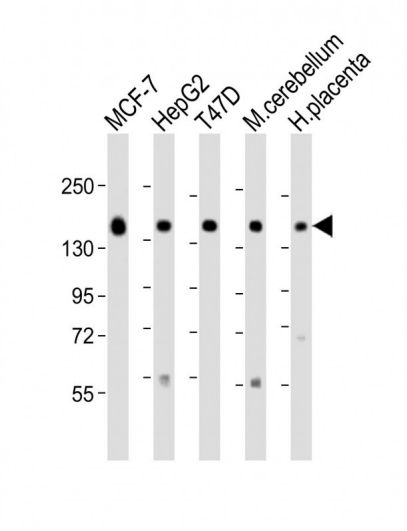
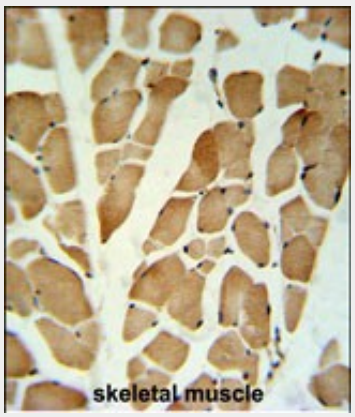


All lanes : Anti-GLG1 Antibody (C-term) at 1:2000 dilution Lane 1: MCF-7 lysate Lane 2: HepG2 whole cell lysate Lane 3: T47D whole cell lysate Lane 4: mouse cerebellum lysate Lane 5: human placenta lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 136 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



GLG1 Antibody (C-term) (Cat. #AP9839b) IHC analysis in formalin fixed and paraffin embedded skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GLG1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

GLG1 Antibody (C-term) - References

Dastani, Z., et al. Eur. J. Hum. Genet. 18(3):342-347(2010)
Kibriya, M.G., et al. Breast Cancer Res. Treat. 114(3):463-477(2009)
Antoine, M., et al. Oncol. Rep. 21(2):357-362(2009)
Ahn, J., et al. J. Cell. Sci. 118 (PT 8), 1725-1731 (2005)
Bouwmeester, T., et al. Nat. Cell Biol. 6(2):97-105(2004)

GLG1 Antibody (C-term) - Citations

- The WDR11 complex facilitates the tethering of AP-1-derived vesicles.